

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1. (Currently amended) An electric machine ~~with, comprising:~~
a cylindrical magnet arrangement [[(2)]]; and
a cooling device for cooling the magnet arrangement [[(2)]],
~~characterized in that wherein~~ the cooling device has a coolant channel (7), ~~by~~
~~means of which for distributing a coolant can be distributed~~ essentially
uniformly in the ~~a~~ circumferential direction of the cylindrical magnet
arrangement [[(2)]].
2. (Currently amended) The electric machine as claimed in claim 1, ~~which has~~
further comprising a housing [[(1)]], the coolant channel [[(7)]] being part of
the housing [[(1)]].
3. (Currently amended) The electric machine as claimed in claim 1 [[or 2]],
wherein the coolant channel [[(7)]] surrounding completely surrounds a
circumference of the magnet arrangement (2) completely on the
circumference.
4. (Currently amended) The electric machine as claimed in ~~one of the~~
~~preceding claims~~ claim 1, wherein the coolant channel (7) being ~~is~~ interrupted
diagonally opposite a coolant entry [[(8)]].
5. (Currently amended) The electric machine as claimed in ~~one of the~~
~~preceding claims~~ claim 1, wherein a laminated core of the magnet
arrangement [[(2)]] has a laminated core forming a wall of the coolant
channel.

6. (Currently amended) The electric machine as claimed in ~~one of the preceding claims~~ claim 1, ~~wherein~~ the coolant channel (7) ~~being~~ is arranged upstream of the cylindrical magnet arrangement [(2)] in ~~the~~ an axial direction.
7. (Currently amended) The electric machine as claimed in ~~one of the preceding claims~~ claim 1, ~~wherein~~ the coolant channel (7) ~~being~~ is open in one or both axial directions, and ~~being capable of being covered with~~ further comprising a bearing shield [(4)] and/or an annular cover [(10)] for covering the coolant channel.
8. (Currently amended) The electric machine as claimed in ~~one of the preceding claims~~ claim 1, ~~wherein~~ one or more coolant entries (8) ~~being~~ are arranged on the coolant channel [(7)] radially and/or axially with respect to the cylindrical magnet arrangement [(2)].
9. (Currently amended) The electric machine as claimed in ~~one of the preceding claims~~ claim 1, ~~which has~~ further comprising a motor terminal junction box [(16)], ~~wherein~~ the coolant channel (7) ~~being~~ has a reduced in its dimension in ~~the~~ a radial direction in ~~the~~ a region of the motor terminal junction box [(16)].
10. (Currently amended) The electric machine as claimed in ~~one of claims 2 to 9~~ claim 2, ~~wherein~~ the housing (1) ~~consisting of~~ is constructed in the form of a pressure plate structure.
11. (Currently amended) A method for cooling an electric machine, ~~which possesses~~ having a cylindrical magnet arrangement [(2)], by comprising the steps of:
~~the conduction of introducing a coolant stream around the cylindrical magnet arrangement [(2)], characterized in that and~~

distributing the coolant stream, after being introduced into the electric machine at the commencement of the a cooling operation, ~~is distributed~~ essentially uniformly ~~on the~~ about a circumference of the magnet arrangement [(2)].

12. (Currently amended) The method as claimed in claim 11, wherein the coolant stream ~~being~~ is distributed on the magnet arrangement [(2)] completely ~~on~~ about the circumference before it ~~is~~ conducted ~~further~~ in a radial or axial direction.
13. (Currently amended) The method as claimed in claim 11 [(or 12)], wherein the coolant stream, when being conducted around the magnet arrangement [(2)] in a circumferential direction, is conducted directly past a laminated core of the magnet arrangement [(2)].
14. (Currently amended) The method as claimed in ~~one of claims 11 to 13~~ claim 11, wherein the coolant stream ~~being~~ is distributed in a circumferential direction upstream of the cylindrical magnet arrangement [(2)] in the an axial direction, before ~~it~~ is being conducted via about the magnet arrangement [(2)].
15. (Currently amended) The method as claimed in ~~one of claims 11 to 14~~ claim 11, wherein the coolant stream, after being distributed in the circumferential direction, ~~being~~ is conducted ~~further~~ ~~on~~ in both axial directions.